

How to Restore Full System Image Backup to Desktop or Laptop Computer

1. Power on the computer.
2. Insert the system repair disk in computer's optical drive (CD/DVD drive).
3. Plug in, connect and power on the external hard drive where you have the stored full system image backup
4. Power down the computer.
5. Power on the computer and immediately begin continual pressing on the Esc key (top left side of keyboard).
6. A menu will appear, using the down arrow (right-side of computer next to the shift key) go to the Boot Options and click enter
7. On boot option screen using the down arrow go to the SATA DRIVE option under the Optical selection on the page and click enter.
8. Immediately a message will appear at the top left of the screen that says you must press any key on the keyboard to continue to boot from the optical drive within 5 seconds. Press any key on the keyboard and the program on the CD will begin to load from the optical drive. If you miss the 5 second period to enter any key, you will need to go back to step 5.
9. After the program is loaded from the CD it will ask you what language you are using. Press on the default option, English.
10. The program will ask you where you want to load the full system image from. Select the radio button that says from an image that you created on an external media.
11. The program will select the most recent full system image backup on the media (external hard drive) for that model of computer that you have connected to the computer. If this is the image that you want to restore to the computer, then click on that selection. If you are interested in selecting a different image and other images are available to select, you can review what images are available for that computer model and make your selection.
12. The program will then prompt you that the hard drive on the computer will be written over with the new image and ask you if that's okay. Click the yes button.
13. The program will restore the image on the external hard drive to your computer. This will take about 2.5 hours to complete.
14. When the restore is complete. The computer will tell you that the full system image has successfully loaded onto the computer and ask you want to create a repair disk. Reply no, as you already have a repair disk the was shipped to the library with the computer recovery disks .
15. Eject the external hard drive safely. Power down the external hard drive, disconnect the external hard drive from the computer and unplug the unit from the power outlet. Store the external hard drive in a secure location not accessible to the public.
16. If the computer is to be connected to a domain you will need to complete the steps to join the computer to the domain. Very few of the libraries have their computers connected to a domain. If you aren't sure contact your IT vendor or IT staff at the library to find out!
17. Logon to the computer on an administrative account and verify that the computer is in Centurion Technologies-SmartShield (UNPROTECTED) state or Faronics-DeepFreeze (THAWED) state. If it is not,

complete the steps to UNPROTECT or THAW the computer and logon again as an administrative account on the computer.

18. If you are using a computer with SmartShield protection and the image that you loaded onto the newly imaged computer was not originally created from the same computer you will need to re-register the original SmartShield registration key that was assigned to the computer. To do this determine what license key was originally assigned to the computer and send an email to Centurion Technologies Support, support@centuriontech.com, requesting this license key be reset. You will need to provide the license that you want to reset and the library name in the email when you make this request. You should receive an email response from Centurion Technologies stating the license that you requested to be reset has been reset. IT IS VERY IMPORTANT THAT YOU RESET THE LICENSE REGISTRATION KEY THAT WAS ORIGINALLY ASSIGNED TO THE COMPUTER. If you have any questions about this, feel free to call Centurion Technologies support and ask for assistance.
19. To re-register the newly reset license registration key, Press the ALT+CTRL+F10 key and wait for the red stop light to appear in the bottom right (toolbar area) of the computer screen. Right-click on the stop sign icon and then left-click on About SmartShield. In the menu screen press on the licensing button and enter the 25 character license key for the computer and then press on the button and says Registration/Update. A response should appear that states Successful Registration.
20. Restart the computer and logon as an administrative user and complete all essential Windows Updates, MS security essentials updates (or if you're using a different malware virus protection, make sure your protection is up-to-date) and Java and Adobe updates (Reader, FlashPlayer and Shockwave).
21. Access one of the MS Office Suites software products to allow MS to confirm that you do have a valid volume license key for the product. Note you do not need to re-enter the volume license key just be sure to access one of the MS Office products during this setup time, prior to re-Protecting or Freezing the computer.
22. Verify that the printers that are available on the newly imaged computer are correct. Make any updates to these devices at this time.
23. Re-name the computer to its original name.
24. It is important at this point to restart the computer and also Shutdown and power on the computer. This will ensure that all updates have been made to the computer prior to you re-Protecting or Freezing the computer. This is a VERY IMPORTANT to do! If you re-Protect or Freeze the computer and there are updates that are still needing to be made on the computer when it restarts...the computer will never be able to load the Windows 7 operating system and you will need to start all over again at Step One of the document!
25. SmartShield-Protect or DeepFreeze- Freeze the computer.
26. Your computer is ready for patrons to use